

ABSTRACT

5 A sound reproduction apparatus that performs better masking
compensation, by precisely extracting the ambient noise from a composite
sound which contains the ambient noise and the signal generated by a
speaker, removing therefrom the signal generated from the speaker. The
apparatus includes a first microphone (16) provided outside a dust cap (15) of
10 a speaker unit (14), and a second microphone (17) provided inside a dust cap
(15). The output signals from the microphones are filtered respectively and
then added together, and the added signal controls the strength of input
signal.